10/578895 IAP12 Rec'd PCT/PTO 10 MAY 2006

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| Applicants: Towns et al. Serial No.: To be assigned |) | "EXPRESS MAIL" mailing label No. EV686095874US. Date of Deposit: May 10, 2006 |
|--|-------------|---|
| Filed: Herewith U.S. National Phase of PCT/GB2004/004754 filed November |))))) | I hereby certify that this paper is being deposited with the United States Postal Servic "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR §1.10 |
| 10, 2004 For: POLYMERS, THEIR PREPARATION AND USES |))) | on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 |
| Group Art Unit: To be assigned |)) | 1 A-1 |
| Examiner: To be assigned |) | Juan Quintero |

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The documents listed on the enclosed Form PTO-1449 are identified pursuant to 37

CFR §§ 1.56, 1.97, and 1.98. Copies of the documents are enclosed as required.

U.S. 7,030,138 is an English language equivalent of WO 02/081448.

U.S. 6,953,628 is an English language equivalent of WO 02/45466.

U.S. 2003/068526 is an English language equivalent of WO 02/44189.

U.S. 2004/147555 is an English language equivalent of WO 02/081448.

U.S. 2003/186080 is an English language equivalent of WO 03/022908.

U.S. 2004/0138455 is an English language equivalent of WO 02/068435.

10/578895

IAP12 Rec'd PCT/PTO 10 MAY 2006

Entry and consideration of the submitted documents are solicited.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN LLP

D.

May 10, 2006

James P Zeller, Keg. No. 28,491 Attorney for Applicant 6300 Sears Tower 233 S. Wacker Drive Chicago, Illinois 60606-6357

(312) 474-6300

Sheet 1 of 3

Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office

App. Docket No. 29610/CDT498 10 57578 8 9 5

Applicant

INFORMATION DISCLOSURE STATEMENT

Towns et al.

Filing Date Group

November 10, 2004

| | 1 | U.S. PATEN | T DOCUMENTS | | | |
|-----------------------|-----------------|------------|--------------------|-------|----------|-------------------------------|
| *Examiner Initials | Document Number | Issue Date | Name | Class | Subclass | Filing Date if Appropriate |
| /BAC/ | 4,539,507 | 09/03/85 | VanSlyke et al. | 313 | 504 | |
| 1 | 5,150,006 | 09/22/92 | Van Slyke et al. | 313 | 504 | |
| | 5,432,014 | 07/11/95 | Sano et al. | 428 | 690 | |
| | 5,723,873 | 03/03/98 | Yang | 257 | 40 | |
| | 5,798,170 | 08/25/98 | Zhang et al. | 428 | 212 | |
| | 6,083,634 | 07/04/00 | Shi | 428 | 690 | • |
| | 6,353,083 B1 | 03/05/02 | Inbasekaran et al. | 528 | 295 | |
| | 2002/0117662 A1 | 08/29/02 | Nii | 257 | 40 | |
| | 2002/0182441 A1 | 12/05/02 | Lamansky et al. | 428 | 690 | |
| | 2003/0068526 A1 | 04/10/03 | Kamatani et al. | 428 | 690 | |
| | 2003/0186080 A1 | 10/02/03 | Kamatani et al. | 428 | 690 | |
| | 2004/0138455 A1 | 07/15/04 | Stossel et al. | 546 | 2 | |
| \/ | 6,953,628 B2 | 10/11/05 | Kamatani et al. | 428 | 690 | |
| V | 7,030,138 B2 | 04/18/06 | Fujimoto et al. | 514 | 317 | |

| *Examiner Initials | Document Number | Publication Date | Country | Class | Subclass | Translation | |
|-----------------------|-----------------|---------------------|---------|-------|----------|---------------|----|
| Imitals | | Date | | | 1 | Yes | No |
| /BAC/ | 880 303 A1 | 11/25/98 | EPO | | | | |
| | 901 176 B1 | 03/10/99 | EPO | | | | |
| | 947 123 B1 | 10/06/99 | EPO | | | | |
| | 1 143 538 A | 10/10/01 | EPO | | | | |
| | 1 245 659 A1 | 10/02/02 | EPO | | | | |
| | 1 318 163 A1 | 06/11/03 | EPO | | | | |
| | 2002-324679 | 11/08/02 | Japan | | | Abstract only | |
| | 2003-206289 | 07/22/03 | Japan | | | Abstract only | |
| | WO 90/13148 | 11/01/90 | PCT | | | | |
| | WO 96/20253 | 07/04/96 | PCT | | | | |
| | WO 98/10621 | 03/12/98 | PCT | | | | |
| | WO 98/57381 | 12/17/98 | PCT | | | | |
| | WO 99/21935 | 05/06/99 | PCT | | | | |
| | WO 99/48160 | 09/23/99 | PCT | | | | |
| | WO 99/54936 | 10/28/99 | PCT | | | | |
| 11 | WO 00/46321 | 08/10/00 | PCT | | | | |
| V | WO 00/48258 | 08/17/00 | PCT | | | | |

/Brett A. Crouse/

Sheet 2 of 3

| Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Atty. Docket No. 29610/CDT498 | 7578895 | |
|----------------------------------|--|----------------------------------|---------|--|
| INFORMATION DISCLOSURE STATEMENT | | Applicant Towns et al. | | |
| | | Filing Date November 10, 2004 | Group - | |

| | | REIGN PA | | | | I management | |
|-----------------------|--------------------|---------------------|---------|-------|----------|---------------|----|
| *Examiner Initials | Document Number | Publication Date | Country | Class | Subclass | Translation | |
| initials | | | | | | Yes | No |
| /BAC/ | WO 00/53656 | 09/14/00 | | | | | |
| | WO 00/55927 | 09/21/00 | PCT | | | | |
| | WO 01/62869 A1 | 08/30/01 | PCT . | | | | |
| | WO 02/31896 A2 | 04/18/02 | PCT | | | | |
| | WO 02/45466 A1 | 06/06/02 | PCT | | | Abstract only | |
| | WO 02/44189 A1 | 06/06/02 | PCT | | | Abstract only | |
| | WO 02/066552 A1 | 08/29/02 | PCT | * ' | | | |
| | WO 02/068435 A1 | 09/06/02 | PCT | | | Abstract only | |
| | WO 02/081448 A1 | 10/17/02 | PCT | | | Abstract only | |
| | WO 02/084759 A1 | 10/24/02 | PCT | | | | |
| | WO 03/018653 A1 | 03/06/03 | PCT | | | Abstract only | |
| V | WO 03/022908 A1 | 03/20/03 | PCT | | | Abstract only | |

/Brett A. Crouse/

11/03/2010

Sheet 3 of 3

| Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Atty. Docket No. 29610/CDT498 10 | 7578895 |
|----------------------------------|--|----------------------------------|---------|
| INFORMATION DISCLOSURE STATEMENT | | Applicant Towns et al. | |
| | | November 10, 2004 | Group |

| | | | OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | |
|---|---|--|---|--|--|
| /B | AC/ | | "Electroluminescence of Doped Organic Thin Films", Tang et al., J. Appl. Phys. 85 | | |
| | , , , | | (9), 1989, pp. 3610-3616 | | |
| | | | "Anti-Pneumocystis Carinii Pneumonia Activity of Dicationic Carbazoles", Patrick et | | |
| L | | | al., Eur. J. Med. Chem 32, 1997, pp. 781-793 | | |
| "Recent Developments in Molecular Organic Electroluminescent Materi | | "Recent Developments in Molecular Organic Electroluminescent Materials", | | | |
| | Macromol. Symp. 125, 1997, pp. 1-48 | | | | |
| | "Electrophosphorescent Organic Light Emitting Diodes", Thompson et al., Polyn | | | | |
| | L. | | Materials Science & Engineering 83, 2000, pp. 202-203 | | |
| | Г | | "Thermally Stable Blue-Light-Emitting Copolymers of Poly(alkylfluorene), | | |
| | L | | Kreyenschmidt et al., Macromolecules 31, 1998, pp. 1099-1103 | | |
| | | | "Highly Efficient Phosphorescent Emission from Organic Electroluminescent | | |
| | | | Devices", Baldo et al., Nature, Vol. 395, 1998, pp. 151-154 | | |
| | | | "Phosphorescent Materials for Application to Organic Light Emitting Devices", Baldo | | |
| et al., Pure Appl. Chem., Vol. 71, No. 11, 1999, pp. 2095-2106 | | | | | |
| | | | "A Novel RGB Multicolor Light-Emitting Polymer Display", Kobayashi et al., | | |
| | | | Synthetic Metals 111-112, 2000, pp. 125-128 | | |
| | | | "Progress With Light-Emitting Polymers", Bernius et al., Adv. Mater 12, No. 23, | | |
| | L | | 2000, pp. 1737-1750 | | |
| | | | "Effects of B and C on the Ordering of L10-CoPt Thin Films", Yamaguchi et al., | | |
| | | | Applied Physics Letters, Vol. 79, No. 13, 2001, pp. 2001-2003 | | |
| | | | "Thermal Annealing Below the Glass Transition Temperature: A General Way to | | |
| | | | Increase Performance of Light-Emitting Diodes Based on Copolyfluorenes", Niu et | | |
| L | | | al., Applied Physics Letters, Vol. 81, No. 4, 2002, pp. 634-636 | | |
| | | | "Recent Progress of Molecular Organic Electroluminescent Materials and Devices", | | |
| _ | | | Hung et al., Materials Science and Engineering R 39, 2002, pp. 143-222 | | |
| | | | "Multi-Colour Organic Light-Emitting Displays by Solution Processing", Müller et | | |
| L | | | al., Nature Vol. 421, 2003, pp. 829-833 | | |
| | | | "Carbazole Compounds as Host Materials for Triplet Emitters in Organic Light- | | |
| ļ | | | Emitting Diodes: Polymer Hosts for High-Efficiency Light-Emitting Diodes", Dijken | | |
| _ | | | et al., J. Am. Chem. Soc. 126, 2004, pp. 7718-7727 | | |
| | | | "Carbazole Compounds as Host Materials for Triplet Emitters in Organic Light- | | |
| | | | Emitting Diodes: Tuning the HOMO Level Without Influencing the Triplet Energy in | | |
| 4 | 1 | | Small Molecules", Brunner et al., J. Am. Chem. Soc. 126, 2004, pp. 6035-6042 | | |
| | V _ | | International Search Report in PCT/GB2004/004754 dated March 11, 2005 | | |

| Examiner | /Brett A. Crouse/ | Date Considered 11/03/2010 |
|----------|--|--|
| | Initial if reference considered, whether or not citation | is in conformance with MPEP 609; Draw line through citation if not |